Recombinant Horse MB Protein, His-tagged

Cat. No. MB-1148H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Horse MB Protein (Met1-Gly154) with His tag was expressed in E. coli.
Species	Horse
Source	E.coli
ProteinLength	Met1-Gly154
Description	This gene encodes a member of the globin superfamily and is predominantly expressed in skeletal and cardiac muscles. The encoded protein forms a monomeric globular haemoprotein that is primarily responsible for the storage and facilitated transfer of oxygen from the cell membrane to the mitochondria. This protein also plays a role in regulating physiological levels of nitric oxide. Multiple transcript variants encoding distinct isoforms exist for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.8 kDa; Accurate Molecular Mass: 21 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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	48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MB myoglobin [Equus caballus (horse)]
Official Symbol	MB
Synonyms	MB; myoglobin; myoglobin
Gene ID	100054434
mRNA Refseq	NM_001164016
Protein Refseq	NP_001157488
UniProt ID	P68082

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